

TITLE OF THE INVENTION
A SPARK PLUG AND
A METHOD OF PRODUCING THE SAME
ABSTRACT OF THE DISCLOSURE

5 A noble metal chip of which one end is welded to an earth
electrode by laser has a sectional area of not less than 0.12mm^2 and
not more than 1.15 mm^2 at the other end. A length from the surface
of the earth electrode to the top surface of the noble metal chip is not
less than 0.3 mm and not more than 1.5 mm. An outer surface of the
10 fused junction layer obtained by laser welding between the noble
metal chip and the earth electrode has a concave surface, wherein the
slope on the plane including the axis of the noble metal chip is
curved with a radius R.

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